

# MARK SYPHUS

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**LinkedIn:** [www.linkedin.com/in/mark-syphus/](https://www.linkedin.com/in/mark-syphus/) | **GitHub:** [www.github.com/msyphus](https://www.github.com/msyphus)

**Portfolio:** [www.syphware.com](https://www.syphware.com)

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Full Stack Web Developer experienced in new app development, app maintenance, APIs, UI/UX, security, and deployment. Excellent combination of highly desired technical skills and invaluable soft skills. Currently developing and maintaining apps and websites for large and small companies throughout the world. Previously maintained, optimized, and expanded an ERP app for use in multiple manufacturing facilities. Proven track record for raising the quality of web applications.

## TECHNOLOGICAL SKILLS

- JavaScript, jQuery, React, Redux
- Node, Express
- SQL, MySQL, SQL Server (SSMS)
- Windows Server, IIS, Docker, Linux
- R, Shiny
- HTML, CSS

## PROFESSIONAL SKILLS

- Agile
- Lean Six Sigma
- Project Management
- Business Process Management
- Statistical Analysis
- Quality Assurance

## SOFTWARE PROJECTS

**Enterprise** | <https://enterprise.mcwaneductile.com/>

- An ERP application being used in multiple production facilities across the USA. It is hosted on a company domain behind a corporate firewall so it is only viewable on the company domain. Developed, improved, and maintained all aspects of the app.
- Built using HTML, CSS, JavaScript, React, Node.js, Express.js, Socket.io, Nginx, Docker, Linux, SQL Server Management Studio, Sequelize, Redux, etc.

**eCR Now FHIR App** | <https://ecr.aimsplatform.org/general/ecr-now-fhir-app>

- An app for providing electronic case reporting of reportable communicable diseases, such as COVID-19. Served as project manager and developer.
- Built using Java, XML, JSON, CQL, FSH, SUSHI, and FHIR IG Publisher.

## EXPERIENCE

**Syphware**, Centerville, UT

**9/2024 – Present**

*Web Developer*

- Provide contract work in software development, project management, and data analysis.
  - Adding new features to an ERP web application used to operate multiple production facilities in the USA.
  - Creating a website and digital marketing campaign for a startup company.

**McWane Ductile**, Provo, UT  
*Software Developer*

**7/2021 – 8/2024**

- Responsible for everything relating to the company's web app used to operate the business, including areas such as frontend and backend development, deployment, web security, server maintenance, API integration with third-party tools, communication with production equipment and PLCs, database design and maintenance, file sharing, data visualization, automated tasks, and UI/UX.
  - Improved app performance from a Lighthouse score of 18% to 90%.
  - Improved performance of the production scheduling feature by 600%.
  - Changed app deployment method to improve uptime, performance, deployment abilities, site redirecting and sandbox testing.
  - Rewrote legacy code into global React components to speed up development, optimize app performance, and improve user experience.
  - Redesigned app to provide more user-friendly navigation with extended features in a manner that allows for future growth of the app with efficient coding practices.
  - Built web app features, API's, sockets, and batch scripts to integrate the app with a brand-new automated production facility, including communicating with PLC's, third-party software and hardware, and new servers.
  - Migrated file servers and web servers from local location to nationwide location to allow sharing and stable uptime between facilities.

**Mark Syphus**, Springville, UT  
*Consultant*

**5/2019 – 12/2021**

- Provided consulting services in software development, project management, data analysis, product development, certified quality systems, and Lean Six Sigma training.
  - Served as project manager and developer on an Agile team to develop part of an app to improve electronic medical record reporting for the Federal government.
  - Led a business unit through adjusting to and aligning processes, roles, and responsibilities with a new ERP system.
  - Coached an executive team in creating a data collection and analysis plan for identifying new markets and customer requirements to create a new product.

## **EDUCATION**

**Scrum Qualified** **8/2020**  
*Certificate – Agile Scrum Master*

**University of Utah** **8/2020**  
*Certificate – Full Stack Web Developer*

**Management and Strategy Institute** **6/2017**  
*Certificate – Lean Six Sigma Master Black Belt*

**British Standards Institute** **10/2016**  
*Certificate – ISO Management Systems Auditing*

**Texas A&M University—Corpus Christi** **12/2013**  
*Master of Science – emphasized Statistics, Nutrition, Biology, and Chemistry*